

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A riding simulation system for providing an operator with a simulated experience of a running condition of a motorcycle, said system comprising:

a display for displaying scenery viewable to the operator as a video image on the display, wherein said video image is simulated based on an operating condition designated by the operator through the operation of an operating condition simulating mechanism;

a steering handle mechanism capable of being gripped by the operator;

a body for rotatably securing said steering handle mechanism, the body comprising a pair of left and right main frames, a centrally located main frame, and a pair of sub-frames connected to roughly central portions of the right and left main frames so as to extend from the left and right main frames in a direction away from the operator of the simulation system; and

a control unit for said system being mounted between said pair of left and right main frames and under the centrally located main frame.

2. (Original) The riding simulation system according to claim 1, said steering handle mechanism further comprising:

a steering stem having a generally fan-shaped upper portion,

an elongate steering handle being integrally held on the steering stem through a holder,

lever joint portions through which at least one of a clutch lever and a brake lever are held on the steering handle, and

left and right grips which are mounted respectively to end portions of the steering handle.

3. (Original) The riding simulation system according to claim 1, further comprising a clutch lever and a brake lever.

4. (Original) The riding simulation system according to claim 1, further comprising a steering handle angle sensor for detecting a turning amount of a tip end portion of the stem member.

5. (Original) The riding simulation system according to claim 2, further comprising a steering handle angle sensor for detecting a turning amount of a tip end portion of the stem member.

6. (Original) The riding simulation system according to claim 1, wherein the steering handle mechanism is formed in a cylindrical shape and includes a throttle grip for an accelerating operation of the motorcycle displayed on the display.

7. (Original) The riding simulation system according to claim 2, wherein the steering handle mechanism is formed in a cylindrical shape and includes a throttle grip for an accelerating operation of the motorcycle displayed on the display.

8. (Original) The riding simulation system according to claim 5, wherein the steering handle mechanism is formed in a cylindrical shape and includes a throttle grip for an accelerating operation of the motorcycle displayed on the display.

9. (Original) The riding simulation system according to claim 1, wherein said display is a display for a personal computer.

10. (Previously Presented) The riding simulation system according to claim 1, said control unit further including

a casing being formed in a substantially box shape,
a circuit substrate being disposed in an interior of the casing, and
a plurality of connection cables being connected to the circuit substrate through connectors.

11. (Previously Presented) The riding simulation system according to claim 8, said control unit further including

a casing being formed in a substantially box shape,

a circuit substrate being disposed in an interior of the casing, and
a plurality of connection cables being connected to the circuit substrate through
connectors.

12. (Previously Presented) The riding simulation system according to claim 1,
wherein a casing of the control unit is disposed between a first main frame and a second
main frame, and said casing is provided with a plurality of flange portions projecting to a
side of the casing adjacent the first main frame and is provided with a plurality of flange
portions projecting to a side of the casing adjacent second main frame.

13. (Original) The riding simulation apparatus according to claim 12, wherein the
flange portions are spaced from each other by a predetermined interval.

14. (Original) The riding simulation apparatus according to claim 11, wherein the
circuit substrate is disposed in the interior of the casing, the connectors are disposed at a
lower end portion of the circuit substrate, and the connection cables are connected to the
circuit substrate through the connectors.

15. (Cancelled)

16. (Previously Presented) The riding simulation apparatus according to claim 12, wherein the flange portions are spaced from each other by a predetermined interval.

17. (Previously Presented) A riding simulation system for providing an operator with a simulated experience of a running condition of a motorcycle, said system comprising:

a display for displaying scenery viewable to the operator as a video image on the display, wherein said video image is simulated based on an operating condition designated by the operator through the operation of an operating condition simulating mechanism;

a steering handle mechanism capable of being gripped by the operator;

a body for rotatably securing said steering handle mechanism, the body comprising a pair of left and right main frames, a centrally located main frame, and a pair of sub-frames connected to roughly central portions of the right and left main frames so as to extend from the left and right main frames in a direction away from the operator of the simulation system;

a control unit for said system being mounted between said pair of main frames.,

18. (Currently Amended) The riding simulation system according to claim 1, wherein a forward end of the centrally located main frame disposed farthest away from the operator is connected to a cross frame bridging between ~~tip end portions~~ forward ends of the sub-frames.

19. (Currently Amended) The riding simulation system according to claim 17, wherein a forward end of the centrally located main frame disposed farthest away from the operator is connected to a cross frame bridging between ~~tip end portions~~ forward ends of the sub-frames

20. (Previously Presented) The riding simulation system according to claim 1, wherein the body further comprises a cylinder portion for receiving a steering stem, and wherein each of the right, left, and centrally located main frames has an upper end connected to the cylindrical portion.

21. (Previously Presented) The riding simulation system according to claim 17, wherein the body further comprises a cylinder portion for receiving a steering stem, and wherein each of the right, left, and centrally located main frames has an upper end connected to the cylindrical portion.

22. (Previously Presented) The riding simulation system according to claim 17, wherein said riding simulation apparatus is adapted to be mounted on an elevated mounting surface, and wherein said pair of left and right main frames is adapted to be secured to one side of the elevated mounting surface, and said centrally located main frame is adapted to be secured to an opposite side of the elevated mounting surface.